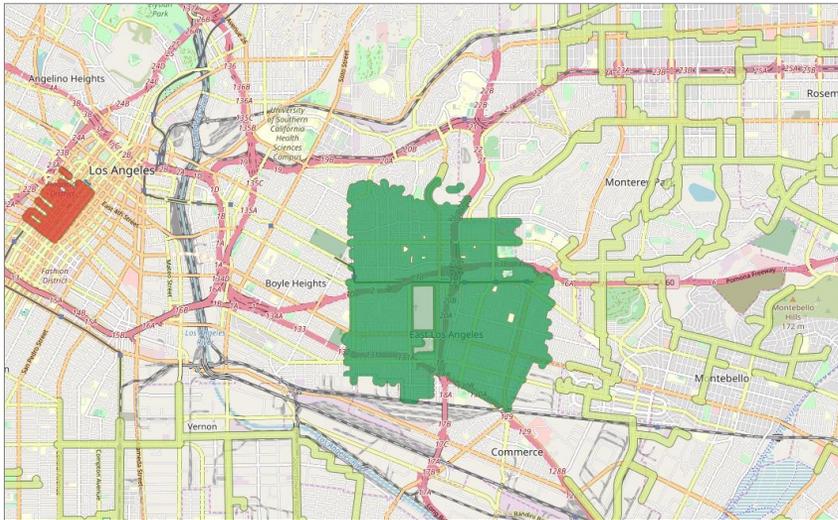


LARIAC5 Pilot Project

➤ Background for project:

- Cities have asked me for curb data
- Meet a State of CA mandate that all sidewalks and curbs be ADA-compliant. Identify and prioritize non-ADA compliant sidewalks and curbs for work
- Technical Advisory Group: DPW Road Maintenance, DPW Operational Services Division, DPW ADA, City of Torrance, City of Glendale PW

➤ Subcontract with CycloMedia to capture 360 degree street-level imagery & LiDAR



LARIAC5 Pilot Project (continued)

➤ Feature Extraction

Asset	Asset Class	Attributes	Description
Signs	Point (Ground-based)	Point Location and MUTCD Code	Location of MUTCD Signs with associated MUTCD code
Utility Pole	Point (Aerial-based)	Point location for utility poles	Poles with power and/or communication lines attached to them
Other Poles	Point (Aerial-based)	Point location for non-utility, non-light poles, non-traffic poles	Location of Other Poles (non-utility, non-light, non-traffic)
Traffic Lights	Point (Aerial-based)	Point layer for traffic lights	Point placed at base of traffic light pole OR on physical traffic light
Street Lights	Point (Aerial-based)	Point layer for street lights only. Not power poles that have street lights on them.	Light meant to luminate ROW. Private lights will not be collected
Trees	Point (Aerial-based)	Point layer for all trees within ROW	Location of Trees
BOC	Line (Ground-based)	Lines representing back of curb	Back of Curb (BOC)
EOP	Line (Ground-based)	Lines representing edge of pavement	Can be extracted at base of curb or seam where curb meets roadbed
Driveways	Line (Ground-based)	Lines representing edge of driveway	Two lines extracted at each edge of driveway where driveway meets roadbed going back ~20 feet into driveway
Sidewalks	Line (Ground-based)	Lines edge of sidewalks	Lines at two edges of sidewalk OR line up center of sidewalk
Pavement Striping	Line (Ground-based)	Line representing pavement stripes used to denote lanes	Type (Dashed, Solid, Solid-Dashed, Double Solid), Color (White, Yellow)

Asset	Asset Class	Attributes	Description
Paint Symbols	Point (Ground-based)	Points on paint marking in the road	Single pavement messages on road (STOP, ONLY, LEFT ARROW, etc.) – full list available upon request
ADA Ramp	Point (Ground-based)	Points on ADA ramps	Point where elevated sidewalk slopes downward toward road to meet ADA compliancy, generally found at intersections
Bus Stop and Pads	Point (Ground-based)	Points representing bus stops and Pads	Point feature denoting designated areas for a bus to pull over and pick up passengers
Cabinets	Point (Ground-based)	Points on above ground cabinets	Large metal structure with door & handle for access
Fire Hydrants	Point (Ground-based)	Points on Fire Hydrants	Location of Fire Hydrants
Maintenance Holes	Point (Ground-based)	Points on manholes in streets	Large circular cap covering an access point for underground utilities
Strom Drains	Point (Ground-based)	Points on Storm Drains and Catch Basins	Structure meant for excess water in roadway to drain into
Underground Substructure	Point (Ground-based)	Points for Underground Substructures	Small square or rounded structures to allow underground access to utility
Valves	Point (Ground-based)	Points on Ground Valves	Small circular caps meant to control water or gas flow for pipelines beneath surface of the road
Pedestal	Point (Ground-based)	Point on Ground Pedestals	Smaller above ground structure without access door. Are generally green and near residential housing



LARIAC5 Pilot Project (continued)

➤ Extremely rich and valuable dataset

- Property assessment
 - Desktop appraisal
 - Address verification
 - Catastrophic event imagery capture
- Urban planning
 - Identify housing units
 - Illegal houses
 - First floor flooding analysis
- Buildings / Public Works Department
 - Asset inventory and management
 - Code enforcement and inspection



Example: Illegal Cannabis Dispensary



Google Street View 2015



GeoCyclorama 2019

Example: Unsafe Living Conditions



GeoCyclorama 2019

Street Smart

The screenshot displays the Street Smart application interface. At the top, a green header bar contains the text "Street Smart BY CYCLOMEDIA" on the left, a search bar with "Los Angeles" entered, and a user profile icon labeled "CLam2@isd.lacounty.gov" on the right. The main area is split into two panels. The left panel is a map view showing a residential area with buildings, streets, and a green-shaded area. A red line indicates a path or boundary. Green dots are scattered across the map, representing objects of interest. The right panel is a street view image of a residential street with trees, parked cars, and a utility pole. Red lines and green dots are overlaid on the image, corresponding to the map view. At the bottom, there is a navigation bar with various icons for map interaction. An "OBJECT INFORMATION" panel is visible at the bottom left of the map view, with the text "Click on an object for information".

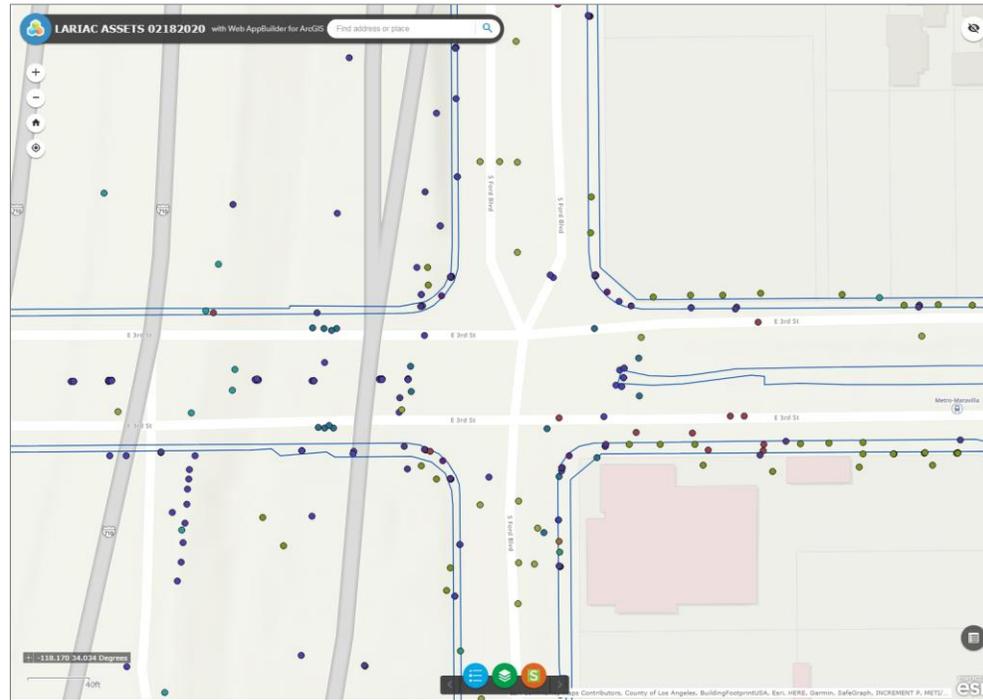


Street Smart



Integration with ArcGIS Products

- Street Smart for ArcGIS Desktop
- Street Smart with ArcGIS Online
- Street Smart Widget for Web AppBuilder for ArcGIS



Questions?



Thank You

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